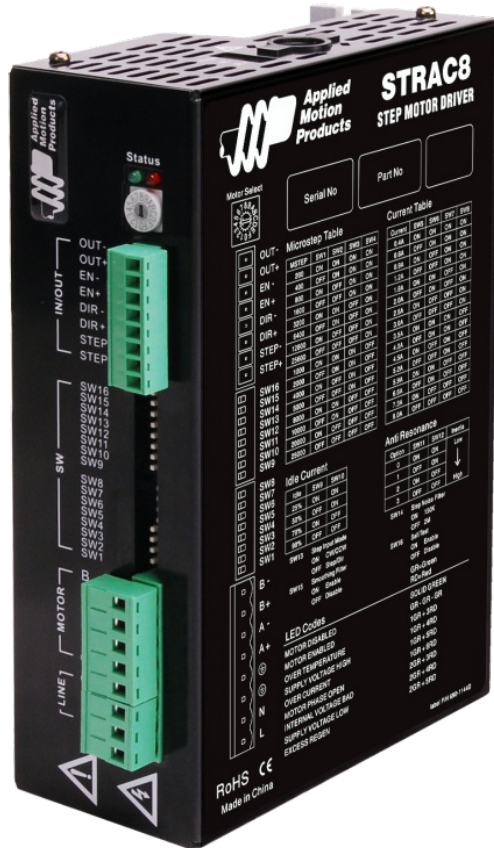


STRAC8

AC Powered Advanced Microstep Drive



Product Features

- Operates from 90 VAC to 240 VAC
- Provides motor current up to 8 A/phase (peak of sine) with idle current reduction
- Electronic damping (anti-resonance)
- Microstepping & microstep emulation
- Built-in self test move profile
- Step & direction inputs
- CW Pulse/CCW pulse operation
- Selectable digital input filter

Description

The STRAC8 stepper drive is an AC input digital step & direction drive, great for OEM applications requiring basic step & direction control of a 2-phase step motor. It accepts AC supply voltages from 90 to 240 volts. The STRAC8 outputs up to 8 A/phase to the step motor, and is compatible with a variety of 2-phase step motors that have been selected to optimize performance of both the drive and motor.

The STRAC8 drive features advanced microstepping performance and sophisticated current control with anti-resonance. Anti-resonance electronically damps motor and system resonances, which improves motor smoothness and torque over a wide speed range.

Each STRAC8 step motor drive operates in either Step & Direction or CW/CCW Pulse control mode. Selecting between these two modes is done by moving a jumper located under the cover of the drive. Each STRAC8 drive can microstep up to 20,000 steps/rev with a 1.8° step motor (1/100 step), and can even microstep the step motor when the command pulses are low resolution. This feature is called Microstep Emulation. All drive setup is done via dip switches on the side of the drive, including motor selection, running current, idle current, and step resolution.

This step motor drive is UL Recognized (E332730), CE approved, and RoHS compliant.

What's in the Box?

- STRAC8 stepper drive
- Mating connector Kit
- Quick Setup Guide (also available in Downloads)

Not included:

- Compatible 2-phase step motor, see Recommended Products below

Specifications

Model Number:	STRAC8
Part Number:	STRAC8
Supply Voltage:	90-240 VAC
Supply Voltage Type:	AC
Control Modes:	Step & Direction
Output Current:	0.5-8.0 A/phase
Encoder Feedback:	No
Step Resolution:	Full Half Microstepping Microstep Emulation
Idle Current Reduction:	0-90%
Setup Method:	Switch / potentiometer
Digital Inputs:	3
Digital Outputs:	1
Operating Temperature Range:	0-70 °C
Ambient Temperature Range:	0-40 °C
Ambient Humidity:	90% max, non-condensing
Status LEDs:	1 red, 1 green
Circuit Protection:	Short circuit Over-voltage Under-voltage Over-temp

Downloads

Manuals:	STRAC8_QuickSetup_920-0122D.pdf STRAC8_Hardware manual 920-0128_RevB.pdf
Datasheet:	http://s3.amazonaws.com/applied-motion-pdf/STRAC8.pdf
2D Drawing:	STRAC8.PDF
3D Drawing:	STRAC8_3D.zip
Speed-Torque Curves:	STRAC8 troque speed curve.pdf
Agency Approvals:	STRAC2_8_CE_EMCC.PDF STRAC2_8_CE_LVD.PDF

Products in the Series *STR Stepper Drives*

Model Number	Supply Voltage	Control Modes	Output Current	Communication Ports	Encoder Feedback	1 pc.
STR2	12-48 VDC	Step & Direction	0.3-2.2 A/Phase	NA	No	\$82.00
STR3	12-48 VDC	Step & Direction	0.3-3.0 A/Phase	NA	No	\$75.00
STR4	24-48 VDC	Step & Direction	1.12-4.5 A/Phase	NA	No	\$89.00
STR8	24-75 VDC	Step & Direction	2.35-8.0 A/Phase	NA	No	\$99.00
STRAC2	90-240 VAC	Step & Direction	0.5-2.5 A/Phase	NA	No	\$325.00
STRAC8	90-240 VAC	Step & Direction	0.5-8.0 A/Phase	NA	No	\$385.00